Release notes for ENDF/B Development n-068_Er_167 evaluation

April 26, 2017

- **checkr** Warnings:

    1. A previous error halted parsing of the current section
       MAT=6840, MF= 1, MT=451 (1): Parsing stopped

    ```
    ERROR(S) FOUND IN MAT=6840, MF= 1, MT=451
        SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      182 TO     334
    ```

- **checkr** Errors:

    1. A variable is outside the allowed ENDF range
       MAT=6840, MF= 1, MT=451 (0): Variable range

    ```
    ERROR(S) FOUND IN MAT=6840, MF= 1, MT=451
        MOD =     1 OUT OF RANGE     0 -    0          RECORD NUMBER     182
    ```

    2. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6840, MF= 2, MT=151 (0): Directory (b)

    ```
    ERROR(S) FOUND IN MAT=6840, MF= 2, MT=151
        SECTION  2/151 NOT IN DIRECTORY              RECORD NUMBER     336
    ```

    3. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6840, MF= 3, MT= 1 (0): Directory (b)

    ```
    ERROR(S) FOUND IN MAT=6840, MF= 3, MT=  1
        SECTION  3/  1 NOT IN DIRECTORY              RECORD NUMBER     623
    ```

    4. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6840, MF= 3, MT= 2 (0): Directory (b)

    ```
    ERROR(S) FOUND IN MAT=6840, MF= 3, MT=  2
        SECTION  3/  2 NOT IN DIRECTORY              RECORD NUMBER     687
    ```

    5. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6840, MF= 3, MT= 4 (0): Directory (b)

    ```
    ERROR(S) FOUND IN MAT=6840, MF= 3, MT=  4
        SECTION  3/  4 NOT IN DIRECTORY              RECORD NUMBER     750
    ```

    6. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6840, MF= 3, MT= 16 (0): Directory (b)

    ```
    ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 16
        SECTION  3/ 16 NOT IN DIRECTORY              RECORD NUMBER     772
    ```

    7. Missing a section in directory so your directory is messed up. This error will break everything else
       MAT=6840, MF= 3, MT= 17 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 17
           SECTION  3/ 17 NOT IN DIRECTORY                RECORD NUMBER     781
```

8. Missing a section in directory so your directory is messed up. This error will break everything else
   $MAT=6840, MF= 3, MT= 22 (0): Directory (b)$

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 22
           SECTION  3/ 22 NOT IN DIRECTORY                RECORD NUMBER     787
```

9. Missing a section in directory so your directory is messed up. This error will break everything else
   $MAT=6840, MF= 3, MT= 28 (0): Directory (b)$

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 28
           SECTION  3/ 28 NOT IN DIRECTORY                RECORD NUMBER     797
```

10. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 3, MT= 32 (0): Directory (b)$

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 32
           SECTION  3/ 32 NOT IN DIRECTORY                RECORD NUMBER     806
```

11. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 3, MT= 51 (0): Directory (b)$

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 51
           SECTION  3/ 51 NOT IN DIRECTORY                RECORD NUMBER     813
```

12. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 3, MT= 52 (0): Directory (b)$

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 52
           SECTION  3/ 52 NOT IN DIRECTORY                RECORD NUMBER     828
```

13. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 3, MT= 53 (0): Directory (b)$

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 53
           SECTION  3/ 53 NOT IN DIRECTORY                RECORD NUMBER     842
```

14. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 3, MT= 54 (0): Directory (b)$

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 54
           SECTION  3/ 54 NOT IN DIRECTORY                RECORD NUMBER     856
```

15. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 3, MT= 55 (0): Directory (b)$

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 55
          SECTION  3/ 55 NOT IN DIRECTORY                 RECORD NUMBER    870
```

16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF= 3, MT= 56 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 56
          SECTION  3/ 56 NOT IN DIRECTORY                 RECORD NUMBER    884
```

17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF= 3, MT= 57 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 57
          SECTION  3/ 57 NOT IN DIRECTORY                 RECORD NUMBER    898
```

18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF= 3, MT= 58 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 58
          SECTION  3/ 58 NOT IN DIRECTORY                 RECORD NUMBER    912
```

19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF= 3, MT= 59 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 59
          SECTION  3/ 59 NOT IN DIRECTORY                 RECORD NUMBER    926
```

20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF= 3, MT= 60 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 60
          SECTION  3/ 60 NOT IN DIRECTORY                 RECORD NUMBER    940
```

21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF= 3, MT= 61 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 61
          SECTION  3/ 61 NOT IN DIRECTORY                 RECORD NUMBER    954
```

22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF= 3, MT= 62 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 62
          SECTION  3/ 62 NOT IN DIRECTORY                 RECORD NUMBER    968
```

23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF= 3, MT= 63 (0): Directory (b)

3

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 63
        SECTION  3/ 63 NOT IN DIRECTORY                RECORD NUMBER    982
```

24. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT= 64 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 64
        SECTION  3/ 64 NOT IN DIRECTORY                RECORD NUMBER    996
```

25. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT= 65 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 65
        SECTION  3/ 65 NOT IN DIRECTORY                RECORD NUMBER   1010
```

26. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT= 66 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 66
        SECTION  3/ 66 NOT IN DIRECTORY                RECORD NUMBER   1024
```

27. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT= 67 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 67
        SECTION  3/ 67 NOT IN DIRECTORY                RECORD NUMBER   1037
```

28. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT= 68 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 68
        SECTION  3/ 68 NOT IN DIRECTORY                RECORD NUMBER   1050
```

29. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT= 69 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 69
        SECTION  3/ 69 NOT IN DIRECTORY                RECORD NUMBER   1063
```

30. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT= 70 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 70
        SECTION  3/ 70 NOT IN DIRECTORY                RECORD NUMBER   1076
```

31. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT= 71 (0): Directory (b)

4

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 71
         SECTION  3/ 71 NOT IN DIRECTORY                  RECORD NUMBER    1089
```

32. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT= 72 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 72
         SECTION  3/ 72 NOT IN DIRECTORY                  RECORD NUMBER    1102
```

33. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT= 73 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 73
         SECTION  3/ 73 NOT IN DIRECTORY                  RECORD NUMBER    1115
```

34. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT= 91 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT= 91
         SECTION  3/ 91 NOT IN DIRECTORY                  RECORD NUMBER    1128
```

35. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT=102 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT=102
         SECTION  3/102 NOT IN DIRECTORY                  RECORD NUMBER    1141
```

36. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT=103 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT=103
         SECTION  3/103 NOT IN DIRECTORY                  RECORD NUMBER    1194
```

37. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT=104 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT=104
         SECTION  3/104 NOT IN DIRECTORY                  RECORD NUMBER    1206
```

38. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT=105 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT=105
         SECTION  3/105 NOT IN DIRECTORY                  RECORD NUMBER    1216
```

39. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 3, MT=107 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 3, MT=107
        SECTION  3/107 NOT IN DIRECTORY              RECORD NUMBER    1225
```

40. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6840, MF= 4, MT= 2 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT=  2
        SECTION  4/  2 NOT IN DIRECTORY              RECORD NUMBER    1238
```

41. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6840, MF= 4, MT= 16 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 16
        SECTION  4/ 16 NOT IN DIRECTORY              RECORD NUMBER    1437
```

42. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6840, MF= 4, MT= 17 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 17
        SECTION  4/ 17 NOT IN DIRECTORY              RECORD NUMBER    1440
```

43. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6840, MF= 4, MT= 22 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 22
        SECTION  4/ 22 NOT IN DIRECTORY              RECORD NUMBER    1443
```

44. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6840, MF= 4, MT= 28 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 28
        SECTION  4/ 28 NOT IN DIRECTORY              RECORD NUMBER    1446
```

45. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6840, MF= 4, MT= 32 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 32
        SECTION  4/ 32 NOT IN DIRECTORY              RECORD NUMBER    1449
```

46. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6840, MF= 4, MT= 51 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 51
        SECTION  4/ 51 NOT IN DIRECTORY              RECORD NUMBER    1452
```

47. Missing a section in directory so your directory is messed up. This error will break everything else
   MAT=6840, MF= 4, MT= 52 (0): Directory (b)

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```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 52
         SECTION  4/ 52 NOT IN DIRECTORY                RECORD NUMBER    1733
```

48. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 53 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 53
         SECTION  4/ 53 NOT IN DIRECTORY                RECORD NUMBER    1999
```

49. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 54 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 54
         SECTION  4/ 54 NOT IN DIRECTORY                RECORD NUMBER    2143
```

50. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 55 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 55
         SECTION  4/ 55 NOT IN DIRECTORY                RECORD NUMBER    2285
```

51. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 56 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 56
         SECTION  4/ 56 NOT IN DIRECTORY                RECORD NUMBER    2425
```

52. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 57 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 57
         SECTION  4/ 57 NOT IN DIRECTORY                RECORD NUMBER    2579
```

53. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 58 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 58
         SECTION  4/ 58 NOT IN DIRECTORY                RECORD NUMBER    2713
```

54. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 59 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 59
         SECTION  4/ 59 NOT IN DIRECTORY                RECORD NUMBER    2845
```

55. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 60 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 60
         SECTION  4/ 60 NOT IN DIRECTORY                  RECORD NUMBER    2975
```

56. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 61 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 61
         SECTION  4/ 61 NOT IN DIRECTORY                  RECORD NUMBER    3112
```

57. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 62 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 62
         SECTION  4/ 62 NOT IN DIRECTORY                  RECORD NUMBER    3238
```

58. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 63 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 63
         SECTION  4/ 63 NOT IN DIRECTORY                  RECORD NUMBER    3434
```

59. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 64 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 64
         SECTION  4/ 64 NOT IN DIRECTORY                  RECORD NUMBER    3553
```

60. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 65 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 65
         SECTION  4/ 65 NOT IN DIRECTORY                  RECORD NUMBER    3739
```

61. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 66 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 66
         SECTION  4/ 66 NOT IN DIRECTORY                  RECORD NUMBER    3859
```

62. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 67 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 67
         SECTION  4/ 67 NOT IN DIRECTORY                  RECORD NUMBER    4030
```

63. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 4, MT= 68 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 68
           SECTION  4/ 68 NOT IN DIRECTORY                 RECORD NUMBER    4141
```

64. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 4, MT= 69$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 69
           SECTION  4/ 69 NOT IN DIRECTORY                 RECORD NUMBER    4250
```

65. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 4, MT= 70$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 70
           SECTION  4/ 70 NOT IN DIRECTORY                 RECORD NUMBER    4357
```

66. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 4, MT= 71$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 71
           SECTION  4/ 71 NOT IN DIRECTORY                 RECORD NUMBER    4462
```

67. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 4, MT= 72$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 72
           SECTION  4/ 72 NOT IN DIRECTORY                 RECORD NUMBER    4569
```

68. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 4, MT= 73$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 73
           SECTION  4/ 73 NOT IN DIRECTORY                 RECORD NUMBER    4674
```

69. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 4, MT= 91$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 4, MT= 91
           SECTION  4/ 91 NOT IN DIRECTORY                 RECORD NUMBER    4777
```

70. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 5, MT= 16$ (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF= 5, MT= 16
           SECTION  5/ 16 NOT IN DIRECTORY                 RECORD NUMBER    4879
```

71. Missing a section in directory so your directory is messed up. This error will break everything else
    $MAT=6840, MF= 5, MT= 17$ (0): Directory (b)

9

```
      ERROR(S) FOUND IN MAT=6840, MF= 5, MT= 17
         SECTION  5/ 17 NOT IN DIRECTORY                RECORD NUMBER   5227
```

72. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 5, MT= 22 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 5, MT= 22
         SECTION  5/ 22 NOT IN DIRECTORY                RECORD NUMBER   5345
```

73. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 5, MT= 28 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 5, MT= 28
         SECTION  5/ 28 NOT IN DIRECTORY                RECORD NUMBER   5754
```

74. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 5, MT= 32 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 5, MT= 32
         SECTION  5/ 32 NOT IN DIRECTORY                RECORD NUMBER   6022
```

75. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF= 5, MT= 91 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF= 5, MT= 91
         SECTION  5/ 91 NOT IN DIRECTORY                RECORD NUMBER   6184
```

76. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT= 16 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 16
         SECTION 12/ 16 NOT IN DIRECTORY                RECORD NUMBER   6665
```

77. Missing a gamma spectrum for continuum of gammas
    MAT=6840, MF=12, MT= 16 (1): No gamma spectrum

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 16
         CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
```

78. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT= 17 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 17
         SECTION 12/ 17 NOT IN DIRECTORY                RECORD NUMBER   6675
```

79. Missing a gamma spectrum for continuum of gammas
    MAT=6840, MF=12, MT= 17 (1): No gamma spectrum

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 17
         CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
```

80. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=12, MT= 22 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6840, MF=12, MT= 22
        SECTION 12/ 22 NOT IN DIRECTORY              RECORD NUMBER    6682
```

81. Missing a gamma spectrum for continuum of gammas
MAT=6840, MF=12, MT= 22 (1): No gamma spectrum

```
     ERROR(S) FOUND IN MAT=6840, MF=12, MT= 22
        CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
```

82. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=12, MT= 28 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6840, MF=12, MT= 28
        SECTION 12/ 28 NOT IN DIRECTORY              RECORD NUMBER    6692
```

83. Missing a gamma spectrum for continuum of gammas
MAT=6840, MF=12, MT= 28 (1): No gamma spectrum

```
     ERROR(S) FOUND IN MAT=6840, MF=12, MT= 28
        CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
```

84. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=12, MT= 51 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6840, MF=12, MT= 51
        SECTION 12/ 51 NOT IN DIRECTORY              RECORD NUMBER    6701
```

85. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=12, MT= 52 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6840, MF=12, MT= 52
        SECTION 12/ 52 NOT IN DIRECTORY              RECORD NUMBER    6705
```

86. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=12, MT= 53 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6840, MF=12, MT= 53
        SECTION 12/ 53 NOT IN DIRECTORY              RECORD NUMBER    6709
```

87. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=12, MT= 54 (0): Directory (b)

```
     ERROR(S) FOUND IN MAT=6840, MF=12, MT= 54
        SECTION 12/ 54 NOT IN DIRECTORY              RECORD NUMBER    6713
```

88. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=12, MT= 55 (0): Directory (b)

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```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 55
         SECTION 12/ 55 NOT IN DIRECTORY                  RECORD NUMBER    6717
```

89. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT= 56 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 56
         SECTION 12/ 56 NOT IN DIRECTORY                  RECORD NUMBER    6721
```

90. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT= 57 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 57
         SECTION 12/ 57 NOT IN DIRECTORY                  RECORD NUMBER    6725
```

91. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT= 58 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 58
         SECTION 12/ 58 NOT IN DIRECTORY                  RECORD NUMBER    6729
```

92. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT= 59 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 59
         SECTION 12/ 59 NOT IN DIRECTORY                  RECORD NUMBER    6733
```

93. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT= 60 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 60
         SECTION 12/ 60 NOT IN DIRECTORY                  RECORD NUMBER    6738
```

94. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT= 61 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 61
         SECTION 12/ 61 NOT IN DIRECTORY                  RECORD NUMBER    6742
```

95. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT= 62 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 62
         SECTION 12/ 62 NOT IN DIRECTORY                  RECORD NUMBER    6746
```

96. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT= 63 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 63
         SECTION 12/ 63 NOT IN DIRECTORY                RECORD NUMBER    6751
```

97. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT= 64 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 64
         SECTION 12/ 64 NOT IN DIRECTORY                RECORD NUMBER    6756
```

98. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT= 65 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 65
         SECTION 12/ 65 NOT IN DIRECTORY                RECORD NUMBER    6760
```

99. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT= 66 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 66
         SECTION 12/ 66 NOT IN DIRECTORY                RECORD NUMBER    6764
```

100. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=12, MT= 67 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 67
         SECTION 12/ 67 NOT IN DIRECTORY                RECORD NUMBER    6768
```

101. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=12, MT= 68 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 68
         SECTION 12/ 68 NOT IN DIRECTORY                RECORD NUMBER    6772
```

102. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=12, MT= 69 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 69
         SECTION 12/ 69 NOT IN DIRECTORY                RECORD NUMBER    6776
```

103. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=12, MT= 70 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=12, MT= 70
         SECTION 12/ 70 NOT IN DIRECTORY                RECORD NUMBER    6784
```

104. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=12, MT= 71 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=12, MT= 71
           SECTION 12/ 71 NOT IN DIRECTORY                    RECORD NUMBER    6788
```

105. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=12, MT= 72 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=12, MT= 72
           SECTION 12/ 72 NOT IN DIRECTORY                    RECORD NUMBER    6792
```

106. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=12, MT= 73 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=12, MT= 73
           SECTION 12/ 73 NOT IN DIRECTORY                    RECORD NUMBER    6796
```

107. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=12, MT= 91 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=12, MT= 91
           SECTION 12/ 91 NOT IN DIRECTORY                    RECORD NUMBER    6803
```

108. Missing a gamma spectrum for continuum of gammas
MAT=6840, MF=12, MT= 91 (1): No gamma spectrum

```
        ERROR(S) FOUND IN MAT=6840, MF=12, MT= 91
           CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
```

109. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=12, MT=102 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=12, MT=102
           SECTION 12/102 NOT IN DIRECTORY                    RECORD NUMBER    6815
```

110. Missing a gamma spectrum for continuum of gammas
MAT=6840, MF=12, MT=102 (1): No gamma spectrum

```
        ERROR(S) FOUND IN MAT=6840, MF=12, MT=102
           CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
```

111. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=12, MT=103 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=12, MT=103
           SECTION 12/103 NOT IN DIRECTORY                    RECORD NUMBER    6829
```

112. Missing a gamma spectrum for continuum of gammas
MAT=6840, MF=12, MT=103 (1): No gamma spectrum

```
        ERROR(S) FOUND IN MAT=6840, MF=12, MT=103
           CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
```

113. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT=104 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6840, MF=12, MT=104
        SECTION 12/104 NOT IN DIRECTORY                RECORD NUMBER    6840
```

114. Missing a gamma spectrum for continuum of gammas
    MAT=6840, MF=12, MT=104 (1): No gamma spectrum

```
    ERROR(S) FOUND IN MAT=6840, MF=12, MT=104
        CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
```

115. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=12, MT=107 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6840, MF=12, MT=107
        SECTION 12/107 NOT IN DIRECTORY                RECORD NUMBER    6850
```

116. Missing a gamma spectrum for continuum of gammas
    MAT=6840, MF=12, MT=107 (1): No gamma spectrum

```
    ERROR(S) FOUND IN MAT=6840, MF=12, MT=107
        CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
```

117. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=14, MT= 16 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6840, MF=14, MT= 16
        SECTION 14/ 16 NOT IN DIRECTORY                RECORD NUMBER    6863
```

118. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=14, MT= 17 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6840, MF=14, MT= 17
        SECTION 14/ 17 NOT IN DIRECTORY                RECORD NUMBER    6865
```

119. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=14, MT= 22 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6840, MF=14, MT= 22
        SECTION 14/ 22 NOT IN DIRECTORY                RECORD NUMBER    6867
```

120. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=14, MT= 28 (0): Directory (b)

```
    ERROR(S) FOUND IN MAT=6840, MF=14, MT= 28
        SECTION 14/ 28 NOT IN DIRECTORY                RECORD NUMBER    6869
```

121. Missing a section in directory so your directory is messed up. This error will break everything else
    MAT=6840, MF=14, MT= 51 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=14, MT= 51
          SECTION 14/ 51 NOT IN DIRECTORY                RECORD NUMBER    6871
```

122. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=6840, MF=14, MT= 52 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=14, MT= 52
          SECTION 14/ 52 NOT IN DIRECTORY                RECORD NUMBER    6873
```

123. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=6840, MF=14, MT= 53 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=14, MT= 53
          SECTION 14/ 53 NOT IN DIRECTORY                RECORD NUMBER    6875
```

124. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=6840, MF=14, MT= 54 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=14, MT= 54
          SECTION 14/ 54 NOT IN DIRECTORY                RECORD NUMBER    6877
```

125. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=6840, MF=14, MT= 55 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=14, MT= 55
          SECTION 14/ 55 NOT IN DIRECTORY                RECORD NUMBER    6879
```

126. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=6840, MF=14, MT= 56 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=14, MT= 56
          SECTION 14/ 56 NOT IN DIRECTORY                RECORD NUMBER    6881
```

127. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=6840, MF=14, MT= 57 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=14, MT= 57
          SECTION 14/ 57 NOT IN DIRECTORY                RECORD NUMBER    6883
```

128. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=6840, MF=14, MT= 58 (0)$: Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=14, MT= 58
          SECTION 14/ 58 NOT IN DIRECTORY                RECORD NUMBER    6885
```

129. Missing a section in directory so your directory is messed up. This error will break everything else
     $MAT=6840, MF=14, MT= 59 (0)$: Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=14, MT= 59
     SECTION 14/ 59 NOT IN DIRECTORY                RECORD NUMBER    6887
```

130. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 60 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=14, MT= 60
     SECTION 14/ 60 NOT IN DIRECTORY                RECORD NUMBER    6889
```

131. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 61 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=14, MT= 61
     SECTION 14/ 61 NOT IN DIRECTORY                RECORD NUMBER    6891
```

132. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 62 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=14, MT= 62
     SECTION 14/ 62 NOT IN DIRECTORY                RECORD NUMBER    6893
```

133. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 63 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=14, MT= 63
     SECTION 14/ 63 NOT IN DIRECTORY                RECORD NUMBER    6895
```

134. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 64 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=14, MT= 64
     SECTION 14/ 64 NOT IN DIRECTORY                RECORD NUMBER    6897
```

135. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 65 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=14, MT= 65
     SECTION 14/ 65 NOT IN DIRECTORY                RECORD NUMBER    6899
```

136. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 66 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=14, MT= 66
     SECTION 14/ 66 NOT IN DIRECTORY                RECORD NUMBER    6901
```

137. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 67 (0): Directory (b)

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```
      ERROR(S) FOUND IN MAT=6840, MF=14, MT= 67
         SECTION 14/ 67 NOT IN DIRECTORY                 RECORD NUMBER    6903
```

138. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 68 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=14, MT= 68
         SECTION 14/ 68 NOT IN DIRECTORY                 RECORD NUMBER    6905
```

139. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 69 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=14, MT= 69
         SECTION 14/ 69 NOT IN DIRECTORY                 RECORD NUMBER    6907
```

140. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 70 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=14, MT= 70
         SECTION 14/ 70 NOT IN DIRECTORY                 RECORD NUMBER    6909
```

141. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 71 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=14, MT= 71
         SECTION 14/ 71 NOT IN DIRECTORY                 RECORD NUMBER    6911
```

142. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 72 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=14, MT= 72
         SECTION 14/ 72 NOT IN DIRECTORY                 RECORD NUMBER    6913
```

143. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 73 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=14, MT= 73
         SECTION 14/ 73 NOT IN DIRECTORY                 RECORD NUMBER    6915
```

144. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT= 91 (0): Directory (b)

```
      ERROR(S) FOUND IN MAT=6840, MF=14, MT= 91
         SECTION 14/ 91 NOT IN DIRECTORY                 RECORD NUMBER    6917
```

145. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT=102 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=14, MT=102
    SECTION 14/102 NOT IN DIRECTORY                    RECORD NUMBER    6919
```

146. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT=103 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=14, MT=103
    SECTION 14/103 NOT IN DIRECTORY                    RECORD NUMBER    6921
```

147. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT=104 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=14, MT=104
    SECTION 14/104 NOT IN DIRECTORY                    RECORD NUMBER    6923
```

148. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=14, MT=107 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=14, MT=107
    SECTION 14/107 NOT IN DIRECTORY                    RECORD NUMBER    6925
```

149. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=15, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=15, MT= 16
    SECTION 15/ 16 NOT IN DIRECTORY                    RECORD NUMBER    6928
```

150. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=15, MT= 17 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=15, MT= 17
    SECTION 15/ 17 NOT IN DIRECTORY                    RECORD NUMBER    7071
```

151. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=15, MT= 22 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=15, MT= 22
    SECTION 15/ 22 NOT IN DIRECTORY                    RECORD NUMBER    7108
```

152. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=15, MT= 28 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6840, MF=15, MT= 28
    SECTION 15/ 28 NOT IN DIRECTORY                    RECORD NUMBER    7278
```

153. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=6840, MF=15, MT= 91 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=6840, MF=15, MT= 91
             SECTION 15/ 91 NOT IN DIRECTORY                RECORD NUMBER    7405
```

154. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=15, MT=102 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=6840, MF=15, MT=102
             SECTION 15/102 NOT IN DIRECTORY                RECORD NUMBER    7702
```

155. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=15, MT=103 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=6840, MF=15, MT=103
             SECTION 15/103 NOT IN DIRECTORY                RECORD NUMBER    8332
```

156. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=15, MT=104 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=6840, MF=15, MT=104
             SECTION 15/104 NOT IN DIRECTORY                RECORD NUMBER    8576
```

157. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=15, MT=107 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=6840, MF=15, MT=107
             SECTION 15/107 NOT IN DIRECTORY                RECORD NUMBER    8712
```

158. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=33, MT= 2 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=6840, MF=33, MT=  2
             SECTION 33/  2 NOT IN DIRECTORY                RECORD NUMBER    9120
```

159. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=33, MT= 4 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=6840, MF=33, MT=  4
             SECTION 33/  4 NOT IN DIRECTORY                RECORD NUMBER    9210
```

160. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=33, MT= 16 (0): Directory (b)

```
          ERROR(S) FOUND IN MAT=6840, MF=33, MT= 16
             SECTION 33/ 16 NOT IN DIRECTORY                RECORD NUMBER    9273
```

161. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6840, MF=33, MT=102 (0): Directory (b)

```
        ERROR(S) FOUND IN MAT=6840, MF=33, MT=102
            SECTION 33/102 NOT IN DIRECTORY                    RECORD NUMBER    9288
```

- `psyche`   Warnings:

  1. Strength function in URR not in agreement with PSYCHE's expectations
     *FILE 2 / SECTION 151 / ISOTOPE MASS = 167. L = 1 UNRESOLVED RESO-
     NANCE REGION / STRENGTH FUNCTION 2.07188E-04 / LIES OUTSIDE LIMITS
     1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

     ```
     FILE  2
        SECTION 151
            ISOTOPE MASS =  167. L =  1 UNRESOLVED RESONANCE REGION
                        STRENGTH FUNCTION 2.07188E-04
                                        LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
     ```

  2. Strength function in URR not in agreement with PSYCHE's expectations
     *FILE 2 / SECTION 151 / ISOTOPE MASS = 167. L = 1 UNRESOLVED RESO-
     NANCE REGION / STRENGTH FUNCTION 1.97803E-04 / LIES OUTSIDE LIMITS
     1.00000E-05 TO 1.50000E-04 (0): URR str. ftn.*

     ```
     FILE  2
        SECTION 151
            ISOTOPE MASS =  167. L =  1 UNRESOLVED RESONANCE REGION
                        STRENGTH FUNCTION 1.97803E-04
                                        LIES OUTSIDE LIMITS 1.00000E-05 TO 1.50000E-04
     ```

- `fudge-4.0`   Warnings:

  1. FIXME: Another genuine fudge bug!
     (Error # 2): Fudge check bug

     ```
     FAILURE: ENDF EVALUATION CHECKING HALTED BECAUSE 'NoneType' object has no attribute 'getColumn''NoneType' object
     ```

  2. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical in-
     stability in downstream codes.
     Section 0 (n + Er167): / Form 'eval': / Component 0 (Error # 0): Condition num.

     ```
     WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
     ```

  3. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical in-
     stability in downstream codes.
     Section 0 (n + Er167): / Form 'eval': / Component 1 (Error # 0): Condition num.

     ```
     WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
     ```

  4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical in-
     stability in downstream codes.
     Section 1 ((z,n)): / Form 'eval': (Error # 0): Condition num.

     ```
     WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
     ```

  5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical in-
     stability in downstream codes.
     *Section 2 (n[multiplicity:'2'] + Er166 + gamma): / Form 'eval': (Error # 0): Condition
     num.*

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
   Section 3 (Er168 + gamma): / Form 'eval': / Component 0 (Error # 0): Condition num.

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
   Section 3 (Er168 + gamma): / Form 'eval': / Component 1 (Error # 0): Condition num.

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

- `fudge-4.0` Errors:

  1. Exception AttributeError was thrown
     FAILURE: ENDF EVALUATION CHECKING HALTED BECAUSE 'NoneType' object has no attribute 'getColumn''NoneType' object has no attribute 'getColumn' (Error # 1): AttributeError

  ```
  AttributeError: 'NoneType' object has no attribute 'getColumn'
  ```

- `njoy2012` Warnings:

  1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
     groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

  ```
   ---message from conver---cannot do complete particle production for mt= 16
                           only mf4/mf5 provided
  ```

  2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
     groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

  ```
   ---message from conver---cannot do complete particle production for mt= 17
                           only mf4/mf5 provided
  ```

  3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
     groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

  ```
   ---message from conver---cannot do complete particle production for mt= 22
                           only mf4/mf5 provided
  ```

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

```
   ---message from conver---cannot do complete particle production for mt= 28
                         only mf4/mf5 provided
```

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

```
   ---message from conver---cannot do complete particle production for mt= 32
                         only mf4/mf5 provided
```

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)

```
   ---message from conver---cannot do complete particle production for mt= 91
                         only mf4/mf5 provided
```

- njoy2012 Errors:

    1. An angular distribution is negative
    acer...monte carlo neutron and photon data (0): Neg. P(Ejµ) (b)

    ```
       ---message from ptleg2---negative probs found
                               9 for mt= 51 e= 2.000E+07
    ```

    2. An angular distribution is negative
    acer...monte carlo neutron and photon data (1): Neg. P(Ejµ) (b)

    ```
       ---message from ptleg2---negative probs found
                               7 for mt= 52 e= 2.000E+07
    ```